RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

Source:

Date Processed by STIC:

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IFW16

RAW SEQUENCE LISTING DATE: 03/17/2006
PATENT APPLICATION: US/10/643,627B TIME: 14:05:52

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3 <110> APPLICANT: Sundelin, Johan
        Scarborough, Robert M.
 6 <120> TITLE OF INVENTION: Recombinant C140 Receptor, Its Agonists and Antagonists, and
       Nucleic Acids Encoding the Receptor
 9 <130> FILE REFERENCE: 44481-5006-09-US
11 <140> CURRENT APPLICATION NUMBER: US 10/643,627B
12 <141> CURRENT FILING DATE: 2003-08-19
                                                                (ps.6)
14 <150> PRIOR APPLICATION NUMBER: US 10/127,691
15 <151> PRIOR FILING DATE: 2002-04-23
17 <150> PRIOR APPLICATION NUMBER: US 08/097,938
18 <151> PRIOR FILING DATE: 1993-07-26
20 <150> PRIOR APPLICATION NUMBER: US 08/390,301
21 <151> PRIOR FILING DATE: 1995-01-25
23 <150> PRIOR APPLICATION NUMBER: US 08/474,414
24 <151> PRIOR FILING DATE: 1995-06-07
26 <160> NUMBER OF SEQ ID NOS: 64
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429

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74			85		_			90		_	•		95	_			
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96 97	_		cac His			_	_	_			_	_		_		-	013
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100 101 102 104 105 106 108 109 110 112 113 114 116 117 118 120 121	Ala 199 aag Lys gto Val tca Sen gco Ala	a atoma ileasing cags Glr. Leucha ctoma Tyr. 260 ctoma Series Series Series ctoma Series Series ctoma	acc Thr cct Pro gcc Ala 245 gtg Val	atc Ile gag Glu 230 att Ile ctc Leu	tac Tyr 215 gag Glu gga Gly atc	Ile 200 att Ile gta Val Val atc Ile Agg Arg	ttt Phe cca Pro ttg Leu ttc Phe aag Lys 265 cag	gca Ala gtg Val ctg Leu 250 acg Thr	ttg Leu ggg Gly 235 ttc Phe ctc Leu	Thr aac Asn 220 gac Asp ccg Pro	ato Ala	c cct Pros c acc Thr tto Phe c cto Lev 270 a cto	accor Three aate Asnote Leu 255 gct Ala	tgt Cys tac Tyr 240 act Thr	Cacconditions of the value of t	Met 210 gat s Asp c ctc Leu tct ser gaa Glu c gtg	909 957 1005 1053
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100 101 102 104 105 106 108 109 110 112 113 114 116 117 118 120 121 122 124	Ala 199 aag Lys gtc Val tca Ser gca Ala cac His	a atoma ilea ilea ilea ilea ilea ilea ilea ile	acc Thr acct Pro Ala 245 gtg Val gag Glu	atc Ile gag Glu 230 att Ile ctc Leu aac	tac Tyr 215 gag Gly atg Met	Ile 200 att Ile gta Val gta Val atc Ile Arg 280 atc	ttt Phe cca Pro ttg Leu ttc Phe aag Lys cag Gln	gca Ala gtg Val ctg Leu 250 acg Thr agg Arg	yal ttg Leu ggg Gly 235 ttc Phe ctc Leu gct Ala	Thr aac Asn 220 Gac Asp Ccg Pro	ato Ala total Ser Arg	c cct Pros c acc Thr tto Phe c tct Leu c tct Ser 270 c tco	according to the control of the cont	tgt Cys tac Tyr 240 act Thr atg	value	Met 210 gat s Asp c ctc Leu tct a Ser gaa Glu c gtg val 290 gta	909 957 1005 1053
100 101 102 104 105 106 108 109 110 112 113 114 116 117 118 120 121 122 124 125	Ala 199 aag Lys gtc Val tca Ser gca Ala cac His	a atoma ilea ilea ilea ilea ilea ilea ilea ile	acc Thr acct Pro Ala 245 gtg Val gag Glu	atc Ile gag Glu 230 att Ile ctc Leu aac	tac Tyr 215 gag Gly atg Met aaa Lys	Ile 200 att Ile gta Val gta Val atc Ile Arg 280 atc	ttt Phe cca Pro ttg Leu ttc Phe aag Lys cag Gln	gca Ala gtg Val ctg Leu 250 acg Thr agg Arg	yal ttg Leu ggg Gly 235 ttc Phe ctc Leu gct Ala	Thrush and Asn 220 gao Asp Pro Arg	ato Ala tota Ser ago Ser Ser	c cct Pros c acc Thr tto Phe c tct Leu c tct Ser 270 c tco	according to the control of the cont	tgt Cys tac Tyr 240 act Thr atg	Cac Cac Phe	Met 210 gat SASP CCC Leu tCt Ser CGlu CGU	909 957 1005 1053 1101
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Output Set: N:\CRF4\03172006\J643627B.raw

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256
                                        10
      tct gta atg acc ctt gtc ttc ctt tct tgt aca gga acc aat aga tcc
258
                                                                          154
259
      Ser Val Met Thr Leu Val Phe Leu Ser Cys Thr Gly Thr Asn Arg Ser
260
                                    25
262
                                                                          202
      tct aaa gga aga agc ctt att ggt aag gtt gat ggc aca tcc cac gtc
263
      Ser Lys Gly Arg Ser Leu Ile Gly Lys Val Asp Gly Thr Ser His Val
264
266
      act gga aaa gga gtt aca gtt gaa aca gtc ttt tct gtg gat gag ttt
      Thr Gly Lys Gly Val Thr Val Glu Thr Val Phe Ser Val Asp Glu Phe
267
268
270
      tet gea tet gte etc act gga aaa etg ace act gte tte ett eea att
                                                                          298
```

Input Set : D:\10-643627 sequence ID currently amended.txt
Output Set: N:\CRF4\03172006\J643627B.raw

271	Ser	Ala	Ser	Val		Thr	Gly	Lys	Leu		Thr	Val	Phe	Leu		Ile	
272					70					75					80		
274	-					ttt				_		_			_	_	346
275	Val	Tyr	Thr		Val	Phe	Vai	Val	_	Leu	Pro	Ser	Asn	_	Met	Ala	
276				85					90					95			
278	_		_			ttc	_		_	_	_			_			394
279	Leu	Trp		Phe	Leu	Phe	Arg		Lys	Lys	Lys	His		Ala	Val	He	
280			100					105					110				
282						gcc											442
283	Tyr		Ala	Asn	Leu	Ala		Ala	Asp	Leu	Leu		vaı	ile	Trp	Pne	
284		115					120					125					
286		-	-		-	tat											490
287		Leu	Lys	He	Ala	Tyr	His	He	His	GIY		Asn	Trp	He	Tyr	_	
288	130					135	. :				140					145	
290	_	-		_		gtg									_		538
291	Glu	Ala	Leu	Cys		Val	Leu	шe	GIY		Pne	Tyr	GIY	Asn		Tyr	
292					150					155					160		506
294						atg											586
295	Cys	ser	ттé		Pne	Met	Thr	Cys		ser	vaı	Gin	Arg	_	Trp	vai	
296		. 4		165					170					175			63.4
298					_	999				_	_	-			-		634
299	TTE	vaı		Pro	мет	Gly	HIS		Arg	ьys	ьys	Ата		тте	Ата	11e	
300			180				-	185					190				600
302				_	_	ata		_	_		_	_	_				682
303	GIĀ		ser	ьeu	Ата	Ile	_	Leu	Leu	TTE	Leu		vaı	Thr	тте	Pro	
304		195					200					205					720
306	_		_		_	cag						_	_			_	730
307		ıyı	vai	vai	гуѕ	Gln 215	TILL	116	Phe	TTE	220	AIa	ьеu	ASII	116	225	
308 310	210	+~+	ast.	~~+	~++		aat	~~~	a aa	ata		a+ a	~~~	~~~	2+4		778
311						ttg Leu											//6
312	1111	Cys	птъ	Asp	230	ьeu	PIO	GIU	GIII	235	ьеu	vai	GIY	Asp	240	Pile	
314	22+	+20	++0	ata		ctg	aaa	a++	aaa		+++	ata	++0	003		tta	826
314						Leu											020
316	ASII	- y -	1116	245	Ser	Бец	ліа	116	250	vai	FIIC	Бец	FIIC	255	AIG	FIIC	
318	ctc	202	acc		acc	tat	ata	ata		ato	202	ata	ata		tat	tat	874
319			_		-	Tyr		_	_		_	_	_	_			0/4
320	пец	1111	260	Ser	ліа	ıyı	vai	265	Mec	116	ALG	Mec	270	Arg	261	Ser	
322	acc	ato		a a a	220	tca	aaa		222	agg	220	aaa		atc	222	ctc	922
323						Ser											722
324	AIG	275	лър	GIU	ASII	Der	280	шуз	цуз	Arg	пуъ	285	ліц	116	цуз	пец	
326	att		act	atc	cta	gcc		tac	cta	atc	tac		act	cct	agt	aac	970
327		_		_	_	Ala	_		_		_				_		3,0
328	290	•		·uı	шец	295		- 7 -	200		300	1110			001	305	
330		cta	ctt	ata	ata	cat	tat	+++	cta	att		agc	cad	aac	cad		1018
331						His											1010
332	عاد لا	200			310		-1-			315	-10		U 111	<u>y</u>	320		
334	cat	atc	tat	acc		tac	att	ata	acc		tac	ata	tct	acc		aac	1066
335						Tyr											
			-1-			-1-					-1-						

Input Set : D:\10-643627 sequence ID currently amended.txt

Output Set: N:\CRF4\03172006\J643627B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:9; Xaa Pos. 1
Seq#:10; Xaa Pos. 1
Seq#:11; Xaa Pos. 1,2
Seq#:12; Xaa Pos. 1,2
Seq#:13; Xaa Pos. 1
Seq#:14; Xaa Pos. 1
Seg#:15; Xaa Pos. 1
Seq#:16; Xaa Pos. 1
Seq#:17; Xaa Pos. 1
Seq#:18; Xaa Pos. 1
Seq#:50; Xaa Pos. 2
Seg#:51; Xaa Pos. 2
Seq#:52; Xaa Pos. 1
Seq#:53; Xaa Pos. 1
Seq#:56; Xaa Pos. 2
Seq#:57; Xaa Pos. 2
Seq#:58; Xaa Pos. 1
Seq#:59; Xaa Pos. 1
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/643,627B

DATE: 03/17/2006 TIME: 14:05:53

Input Set : D:\10-643627 sequence ID currently amended.txt

Output Set: N:\CRF4\03172006\J643627B.raw

```
L:727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:1358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:1377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:1397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:1417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:1464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:1483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:1503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:1523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
```